U. S. DEPARTMENT OF COMMERCE FREDERICK H. MUELLER, Secretary WEATHER BUREAU F. W. REICHELDERFER, Chief

STORM DATA

OCTOBER 1960 Volume 2 No. 10



ASHEVILLE: 1960

			РАТН	_		. OF	ESTIM	ATED†		0.0			PATH	Ţ		O. OF		IATED†	Ī
PLACE	. ي	L L	LENGTH OF PA (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	س ا	ш	LENGTH OF PA (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
	DATE	T TAME	9	≱	귤	ž	ğ.	Ĕ			DATE	TIME	Ē	ě	¥	Ž	, E	ğ	
ALABAMA							}	ł		CALLFORNIA									
ontgomery, Montgomery County	5	2:30 p		1	٥	0	3	0	Wind	Entire State	9				2	1	4	0	Wind
	mov	ed across	the ci	ty blow	ding (down 1	rees	nd ut	miles per hour lity lines and		Win	nd downed merous sma	utilit Il boa	lines s sunk	tre or d	lamage	and sig	ns and man	damaged building blown from house at. Rain and
irwingham,	Cat 8	sing minor	r damas	e to no	uses	in a	iour	DIOCK	Funnel clouds		sno	, and ano ow accompa	ther l	st ove	the	south	tempo	rarily	closed some
Jefferson County	-	2:30 p									A70	inity of	Long B	ach.	111111111111111111111111111111111111111	101		100010	i ciola in
	by	airline pi	lots.	The fi	rst	one r	porte	abou	t were reported 2:00 p.m. and	Central and southern California	1				2	0	5	0	Wind
		second at touch the			he se	cond	funne.	clou	was observed		py	the winds	burne	a sco	nte of	buil	dings	in the	San Francisco Park by falling
entral and Cakland Communities,	19	3:15 p	3		0	1	4 ;	0	Windstorm	Ų į	tre	es. Blow	ng sa	nd disr	upted	trav	el in	the de	sert areas.
Lauderdale County	bui	lding and	demoli	shing o	ne f	name 1	nouse,	then	ng a school coving northeast-	. COLORADO									
	and	numerous							ses were damaged red by flying	Las Animas, Huerfano and Custer Counties									Snow to trees still
ALASKA	aer	ris.	i								line	s in seve	ral are	as. D	mage	WAS	partic	ularly	heavy in the ne and two feet
orton Sound	2-4	Noon of	150	* 50	0	?	5	0	Windstorm			a wide a		0,,,,,,,,,	uop.				23.0 0.00 1000
oastal area from nalakleet to		2nd to 8 AM							accompanied by strong wave	CONNECTICUT Mansfield,	212	5:30a			٥	٥	2		Lightning
Ome		4th (BST)							action	Tolland County		tning str	ke ca	used a	smal 1	blas		home.	
	A co	mplex lo	w, wi	th cer	ters	alc mov	ong 60	° Lai	itude on Oct.2, stward reaching	DELAWARE			None	Repor	ted				
	the	Kotzebue s about	Sour	d area	the tente	nez r a i	t day	d the	rong gradient coastal area	FLORIDA		 							
	or r	otzebue	Sound	and 1	the d	cast	al ar	ea of	northern Nor- southerly le 2nd and peak	Key West	5	2:25 pm			0	0			Waterspout
	gust	s reache	d 44	mph ju	ist i	efor	e mid	lnighi	of that day.	Monroe Co. Madison	6	3:20 pm			0	0			Funnel Cloud
	fore	noon. of the	Wind 2nd a	speeds	not	icea ed w	bly i	ncrea apidl	sed around v falling pres-	Madison Co.),20 pm			ľ	ľ			Januar orong
	sure from	through t passed	that the	after statio	noor n sl	and ort	on u y aft	ntil er 8	the occluded PM (BST) the	Tampa Hillsborough Co.	6	5:00 pm			٥	0			Waterspout
	foll at t	owing da	y. P ion a	eak gu	noor	arou Oct	nd 70	mph Unal	70 mph just be- sed around y falling pres- the occluded PM (BST) the were observed akleet received 2 and peak 0 oct. 3. It is developed in	Fort Pierce	7	1:25 pm	Short	Narrow	0	0	4	o	Tornado
	gust	s reache e probab	d abo	ut 60 at sti	mph	arou	nd no	on of	Oct. 3. It is developed in	St. Incie Co.	7	After-			0	0	4	0	Lightning
	the port	exposed ed damag	coast e dou	al are btless	as a	roun	d Gol	ovin 11 al	Bay and unre- ong the north-	Marion Co.	,	noon Lightning	kille	d 9 the	'				
	ern	snores o	I NOT	ton So	und.		.					at near	50,000	•					
•	fine wave	d chiefl	ne No y to	me are roadwa	awe ysa oʻ+1	re r	ather arbor	faci	nsive, but con- lities. High s to have been	Ft. Myers Lee Co.	.7	4:20 pm			0	0			%aterspout
	the was	major so strewn o	urce ver a	of dan consi	age, dera	and ble	cons dista	idera nce i	ble driftwood nland from the	Wimauma Hillsborough Co.	7	4:10 pm			0	0			Funnel Cloud
	snor tide	e. Most in the	or t	he dam after	noon	was R	reali oad s	zed d hould	uring high ers were badly	Mariette	7	5:40 pm	Short	Narrow	o	0	2	0	Tornado
	side	rable am	ount	of san	d an	d gr	avel	was s	le. A con- wept into the	Duval Co.	_								n 1
	have	to awail	t the	comin	z of	spr	ing s	o dam	repair work will ages are a ir cost may	West Palm Beach Palm Beach Co.	8	9:00 am			0	0		i	Funnel Cloud
	run i	near 510	o. 00a	some	ດf w	hick	. how	ever	is routinely ctural damage ess populous	Miami Dade Co.	9	4:10 pm			0	0			Funnel Cloud
	area	of Mose	s Poi	nt was	har	d hi	t by	the s	torm's fury.	St. Petersburg	9	12:45 pm			0.	0			Materspout
	drif	twood, 🛊	ver n	ost of	the	are	a oc¢	upied	ge pieces of by FAA facili- d and over	Pinellas Co.	,,	1.55 nm			0	0			Funnel Cloud
	5,00	0 gallor	s of	gasoli	ne w	ere	lost	Tot	al damages at 0 with ap-	Hillsborough Co.	10	4:55 pm				ľ			rumer cross
	prox stro	imately ng winds	\$8,50 and	0 suff rough	ered wave	by act	FAA ‡ ion b	acili rough	ties. The t widespread	Sanibel Island Lee Co.	31	10:30 am Materspo	1			o d. t	3 Duched	\ O	Tornado
	debr	is was s	trewn	inlan	d fr	om t	he sh	ore t	and other o residence:			about 2 moved acr	iles oss is	rest of land ar	Poin dder	Isa polis	bel Li	ght ho small i	use, parina.
	and	governme	nt ag	encies	·. \$	ome :	stru¢	tures	aska Airlines were removed pletely shat-	GEORG LA	-	Marina er	ploye	killed	dur	ing s	torm.		
	tere	d and st	rewn	along	the	beac	հ. դի	ood s	tores were onsiderable	Carroll County	7	6:30 p.	Short	Narrow	0	0	3	٥	Tornado
	quan a re	tity of sident	dried here	fish. for ov	Th er \$	e Po 5 ye	stmas ars,	ter a repor	t Unalakleet, ted the storm		An ar	parent sm	all to	mado d	ipped	down	bries	ly, ri	pping a porch fi Carroll-Harals
	the work	worst he became	had diffi	ever e cult a	nd h	1enc azar	ed in dous	the pa	area. Rescue rticularly		Count	y line.							
	ness	. The v	illag No	e powe speci	r pl	ant i	was t mates	empor of d	hours of dark- arily put out amages in the	South of Savannah	15	8:20 a.							Waterspout
	Unal port	akleet a: s of dam	rea h age h	ave be ave be	en r	ecel	ved.	No s rom t	pecific re- he Kotzebue			waterspo ward.	ut rep	orted n	orth	of St	. Cath	erine	s Island. Move
	area of 0	.Peak ctober 3	gusts	aroun cate t	d 55 he s	mph torm	at K	otzeb begun	ue around 6 AM to fill some-	HAWAII			None	Repo	ted				
RIZONA	41151	nerore	ļ	- 1	- 1	nea	rue K	o czel	ue Sound area.					_					
ILLE DOING			none	Report	rou		1			IDAHO	ĺ		None	Repo	rted				
RKANSAS		No repor	t rec	eived	by p	rin	ing d	ead1	ne.	·		,						·	

OCTOBER 1960

			PATH	Ę		SONS	ESTIM/ DAM			.]			PATH	Ę		SONS		ATED¹ AGE	G
PLACE	DATE	TIME	LENGTH OF	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER DF STORM
ILLINOIS				<u>_</u>						KANSAS (Cont'd.)									
Freeport	1	4:15 p			0	0	3	0	Electrical	Dickinson County		9:00pan							Electrical
· ·				lvil war	sta	1		1	everal homes		≜ ba ligh	rn filled tning.	with 1	hay east	of	lope	vas de	stroye	i when struck by
Rockford		Afternoon mes damag		anna ho	0	0 14ah	3 totaa		Electrical r halted temporaril	Wilson County		8:45pm- 11:00pm	6	3 *			5.		Hail and Electr
	as f		blown	in pri	yate	homes			set fire to		much	property	dama.	a. Almo	tat 2	1000	nanas	h€ ∵la	Fredonia caused as were broken a lameter. Storm
Marissa	1	10:30 р	·	·	0	0	4	0	Wind		fire	in a bar	rtheas n 5} m	les no	theathea	sout st of	Fred	Ligh hìa at	tning started a 8:45pm. Barn
·	was	about 400	feet						lock wall which was estimated at		and stro	contents o	f alf	lfa hay	and	a la	rge an	bunt o	f grain were de-
Palestine		t \$12,000 1:00 a			٥		3	0	Electrical	Montgomery County	1	late evening							Electrical
	Ligh	tning str	uck mi	ll and	-	-			inery, chimney		Ligh in e	tning dame ast Coffe:	ged t	e roof.	int re r	erior esult	walla	and c	siling of a house
Berwyn		did other Evening	damag	e .		1	2	0	Electrical	Wyandotte County	13	late evening				1			Electrical
202.71	Ligh	tning str	pek tr	ansform					old boy standing		A ma	n was inj ck by ligh	red i	fell o	Cit	whe	hapo	ver li	ne which had beer
Sterling	near	by. night			0	0	2	,	Electrical	Kingman County	1	early morning						1	Electrical
		tning dam	aged p	owerlin	l						Ligh man.	tning dama Also a	ged m arge	uch of t	he w	iring eet w	in ar	appli e in t	ance store in Kin he roof.
INDIANA Lowell, Lake County	,	early				0				Summer County		3:00am tning star	ted a	fire in	al	erge	3 barn r	orthwe	Electrical t of Wellington.
	Ligh	morning	resul	ting fi	Te de	at rov	5 ed the	0 buile	Lightning ing and contents		Barr	some far le were d	филасі	hinery,	a la	rge q	pant 1t	y of h	y, and an auto-
	or a	n impleme 000 in th	ur coul	pany wi	tha	loss	of \$15	0,000	in equipment and	Marion County		9:00am	uck a	house i	n Mar	ion v	4	noke ar	Electrical d fire damage es
IOWA Clinton											tim	ted at \$5	,000.	Paint '	vas s	eare	and	alastic	fixtures melted ted by the fire.
'NW Clinton ·	Fai	1230 p. m home,	buile	lings,	tra of	ller cer	dama dama	ged c	Wind onsiderably and by strong	Kiowa County		9:0Cam	av in	Tiows w		ruck	by 11.	ntnin.	Electrical with some damag
	501	thwest 1	vinds.	, ,					-		to	he brick	facein	6					
NW, Clermont	25	345 p.			0	0	4		Lightning	Marion County	Ligh								Electrical the wall of a a terrific heat
KANSAS Pranklin County		3:35p and 3:50p	1				2		Electrical(2)		the	houseafte	the	bolt st	ruck.	, Bu 01	· ·	e was	a terriric neat
	Two	bolts of side of	lightm a hous	ing, er e in We	e on	the s	outh s	ide a dama	d the other on the e to the T.V., the	Montgomery County	As a	9:00am result o	f ligh	ining 2	hous	es ar	ul gar	ges si	Electrical de by side in th wiring and some
Butler County		e wiring, 11:04p	and x	поскец	\$1dir	gfre	m the	house	Electrical		app:	iances.	The ga	age wa	lls w	ere s	plint	red by	the bolt.
	Light age	tanka 13	ched o	ff a fi north c	re th	at pa usta,	rtial:	y des	royed 5 oil stor-	Butler County	1	4:45p- 5:00pm	2	100	nn ad		4		Tornado and funnel cloud. of Eldoredo and
Coffey County	3 A 14	morning rge hay b	arn ən	d about	2,00	10 ba]	3 es of	3 hay w	Electrical re burned after		move edge	east-sout	he⊹st. Anw	One of	ame fill	to th	grou	d str	iking mear the we
Labette County	ligi	tning str	uck the	barn2	miles	sout	h of (ridle	•		side mobi	nces were 1 home was	dama e	al, Ar	bof .	or tw	was	torn f	om dwellings and erved being carri
22.00000 COMING	A la	7:15 pm arge barn fire when	and co	ntents by lia	inclu htnin	ding gao	30 tor ile no	3 s of 1 rthwe	Electrical ay were destroyed t of Oswego.	KENTUCKY	alof	,				ĺ			
Wilson County	4	4:30p-							Electrical	Anderson County	8 Had	PM 1 and hea	y rai	n cause	con	sider	lı able d	3 lamage	Hail and Rain to homes and
	Ligh	5:00p thing str the resu	uck th	e porch	of a	home	in Fr	edonia	. Most damage was		tha	t rocks,	trees,	and de	bris	from	hills:	ille wer	with such force e washed into ed in the fields
Cherokee County	4	Late						ľ	Wind and hail.	1	Dar	age by ha	11 40%	by ra	in 60	% .			211 414 120248
	Elec	afternoon tric serv Western p	ice wa	s inter	rupte untv	d for When	2 hou	rs ove	r a broad area in broke 5 power	LOUISIANA MAINE			1	e Repo e Repo		1			
Waghington Govern	pole	s. Littl	a dama	ge resu	lted	frem	the ha	il.		MARYLAND			i	e Repo	ŀ				
Washington County	A bo	4:30a lt of lig house, bu	ntning rned t	burned he lead	out in w	a T.V	. and to a l	dama _ë e ocker	Electrical d some wiring in plant and broke	MASSACHUSETTS Most of State	24-	Day and	_	_	0	3	4		Electrical, snow
Reno Commty	20 s	treet lam	рв оче	r town,							25	during night							rain, sleet, had
neno comity	High	Evening Winds to s in the	re seve	eral ut part of	ility	pole hinsd	s loos n. Se	e and	Wind broke electric was interrupted for	·	thur	derstorms	the s	me day	in s	ome 1	pcalit	es in	to three separates eastern portion. and knocked out
Butlen County	ROME	time. W	ind ve	locitie	rea	ched	67 MPH				many Bost	telephone on and a h	line come w	. Three	e me	in N	a inju	red by Hail	lightning in occurred in many
Rutler County	A st	3:30a ack of ba Approx	led ha	y north	east bales	of El	3 dorado av wer	was s	Electrical et afire by light- royed.		repo	crted up to	1/2 :	nch siz	e in	the	Fitcht	prg ar	diameter but ea. No hail rpasses. Sleet
Labette County		8:00a-				1					was snow	observed :	n som viest	areas October	duri	ng tr fall	ansiti since	on per 1934	iod from rain to fell in central
	Ligh	8:30a thing str	uck 2	nouses	in Os	Wezo	durine	a sho	Elec t rical (2) wer. Slight dam-		deep	but some	repor	s were	heav	er m	tth 3	to 6 1	√2 to 2½ inches nches locally in ter County. None
	age	was done hers felt	at eac	n place	On	e wor	an was	burne	d on her elbow and		or o	nly traces	of s	ow were	obs	erved ster	at con thir	astal d of M	and Cape Cod assachusetts.
Kingman County		7:00pm							Wind and Electric-		were	caught w	thout	chains	or s	how t	ires.	Many	ts where motoris minor accidents ang to tree limbs
	Seve ning	re winds caused m	ust en inor de	est of 1	ingm a h	an da ome o	maged n the	e numb east s	er of trees. Light ide of town.	-	and limb	wires. Co s and util	mbine	with a	tron th s	g win	ds, the inte	e snow	load broke many ons. Most
See reference n											seri Hope	ously affe	octed :	in this und Upto	way n.	ere Lt sc	Bellir me sta	gham, tions	Foxboro, Franklir thunder, hail, ra

																			OCTOBER 1960
			PATH	ATH.		. OF SONS		ATED†	C.U.D. 0775				РАТН	Ē		. OF		ATED!	
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KALLED	INJURED	PROPERTY	CROPS	CHARACTÉR OF STORM	PLACE	DATE	TIME	LENGTH OF 1	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
MICHIGAN.		1	1				l .	1	<u> </u>	OKLAHOMA	<u> </u>	1	I	l			1	 	
Calhoun and Kalamazoo Counties	1	lst -	1				. 4		Thunderstorms with lightning and heavy	West-central Area of State	11	p.m.			0	0	7	. 7	Rain, hail
	14.0	2:00 a., 2nd					Fa 1	a	nd contents within		Mil	la, Beckha	🏚, Cus	ter, an	d Was	hita	Counti	es. S	ortion of Roger ome streams and
	Ceht	emo and C	coper	township	s of	Kala	nazoo	county	Electrical storm		Was	to recent	y wor	ked or	lant	ed fi	elds.	Some	age due to washing minor damage d sorghums. Some
	in s	cattered	dity a	eas of	Batt!	le Cr	pek. I	ightni	ng caused several Lightning induced		SMA	l hail ac	compan	ed the	heav	rai	n.		D JOI BRAND. DOME
AFTER MODEL A	fire	damaged	a home	in Emm	tt to	wnsh	ip of	Calhou	a county.	Cordell, Washita County	11	5:00 p.	?	?	0	0	4	. 0	Rail
MINNESOTA	ļ		Non	e Repor	ted			ĺ				up to an							roofs. The area ity.
MISSISSIPPI			Non	e Repo	rted					Altus, 10 miles south, Jackson County	13	3:05 p.	8	4	0	0	5	5	Hail, rain, funnel aloft
MISSOURI		1	None	Repo	ted														rge as saucers entral Jackson
MONTANA			[per	ty. Abou	t 5,00 e. Th	acres heavy	of g	beat	the r	receiv	ed 10 to 80 ff most buildings
Helena and vicinity Lewis & Clark County	2 L,	10:00 an	?	?	0	0	. 3	0	Strong Wind		wer	dented,	vindsh	elds s	ashe	and	trees	strip	ustee. Autos ped. Heavy rain
Dewis & Clark County									orm doors, and amage was		land	was badl	gull	ed. A	torn	ado f	unnel	was si	newly worked ghted 10 miles o damage was
	esti	imated at	\$2000.	At th	e Weat	ther	Bureau	Airpo	rt Station the			rted. St							dialoge was
MEBRASKA				e Repo						Tipton, Tillman County	13	5:00 p.	5	3	0	0	0	5	Hail, rain, funnel aloft
			Non	 							in ;	up to one	estern	and no	ther	n Til	lman C	bunty.	loss to cotton Heavy rain of damaged cotton
NEW JERSEY			None	Report	ed						qua	ity. Pub	ic si	hted fo	nnel	alof	t near	Tipto	a.
NEW HAMPSHIRE										Lawton, Comanche County	13	6:00 р.	?	?	0	0	3	0	Hail, wind, rain
Most of State	24- 25	Day and during	-	-	٥	0	3	0	Electrical, snow		агеа	. Winds	P to !	0 miles	per	hour	cause	d some	or damage in the damage to mpanied the storm
	Ligh	night tning dam	aged s	everal N	uild	ings	and kn	ocked	out phone and/or			some flasi					y lai	Lacco	mpanied the storm
	sout	tric serv heastern	ce to New Hai	hundred moshire	s of The	home hea	s in e viest	xtreme Octobe	southern and r snow since 1934 y 1-2 inches	Stillwater, Payne County	13	8:00 p.	?	?	0	0	5	0	Hail
	exce	pt up to	4-6 in	ches at	lhighi	er el	evatio	ns. S	y 1-2 inches now also fell in levations;		fell	mostly it	the !	tillwa	er a	rea.	Repor	ts of	inches in diameter damage were indica-
	6.9	inches fe	ll at	annon l	lount	in.		D#101 0	revacions;		Tile	roofs, c	ooper Ltv.	rim and	man indo	y win ws.a	dows w	west, ere da shrubs	and 7 miles north. maged at Oklahoma , etc. were damaged
NEW MEXICO Lovington and	,,										ove	and arou	nd the	City.					
vicinity	10 Hail	pm reported	the st	se of	0	0	3 Domo	, t	Hail veral hundred	Southwest One-Fourth of State	17-18				0		5	4	Rain
	acre dama	s of cott	n. Wir	rgowa az	d ne	n si	gns br	oken a	nd roofs		sout	hwestern	klaho	na. Fla	sh f	loodi	ng and	some	lready water-logged flooding occurred verts, and roads
Portales and	15	am			o	0	3	5	Hail		were The	washed o	ed the	laces i	and r	bad s	urface	s were	badly damaged. cently worked
vicimity	Hail bear	up to 1 :	nch ir	diamet	er da	mage	i cott	on, pe	armits, castor	Clinton-Sherman Air	ŀ	ds were b	idly w	ished.					
	gree	nhouses b	oken.	III u	3 116	·.u.	0 0,51	. MIIN	ws on two	Force Base, Washita County	29	4:00 p.			0	0	0	0	Funnel aloft
Las Cruces and vicinity	17	pm.			0	0	3	14	Hail			t reporte el appear				n the	vicin	ity of	the Base. The
	15-	damaged o	otton	and let	tuce.		5	6	Uenna and an	El Reno, Canadian County	29	5:00 p.	7	?	0	0	0	0	Hail
New Mexico	18					İ			Heavy rains	Canadian County	Hail	3/4 inch	in di	meter	as r	epor t	ed. N	o appa	rent damage noted.
									totals of	OREGON			Non	Repo	rted				
	pean	iderable of its, casto	r bear	lost or s, broo	m con	gra n, s	led. A	ditio	nal losses to leed crops. and highways.	PENNSYLVANIA			None	Report	ed.				
	Up to high	o 30 inche ways and s	s of s	now in	north	east	rn mo	reens intain	and highways.	PUERTO RICO			None	Repor	ted				
NEVADA			!	Repor	- 1				l ₁	RHODE ISLAND	6	2.20							177 - 3
NEW YORK										Providence, Providence County	Wind	2:30p gusts att tore a sec	endin	a squ	11 1	0 ine 1	3 ifted		Wind f a lumber yard
			лопе	Repor	rea		İ			Chepacket, Providence	2l;	Eve.			0	0	2	0	Lightning
NORTH CAROLINA Cumberland County	4	£ 1/15 = -		200			,		Townside	County and Westerly, Washington County	Some	power lin	es kno	cked or	t fo	• sho	rt per	Lods.	
Competitatio Country	Sto	6:45s.m. rm moved	outhwe	st to n	0 orthe	0 ast	4 along	0 a shor	Tornado t path about one	North Kingston, Washington County	2h Ligh	5:00p tning stri	ke st	rted s	0 1211	0 fire	l which	0 singed	Lightning curtains in
	mile sto	e east of rage buil	Fayett ing d	eville stroye	Car . Tr	port uck	ripped and ser	off veral	brick home; road building		home	.		-		Ì	ļ		
	mac	hines dam	aged.	Power	nd te	lepho	me li	nes do	vn.	Providence, Providence County	2h	10:30p - 11:15p	ke :	4+64	0	0	2	0.	Lightning
NORTH DAKOTA			None	Repor	ted			ĺ	·]	esta	tning stri blishment	ne igt	Tred S	JUX	n bi	as olcs	ru g	mercantile
онто			None	Repo	ted		İ	1											

See reference notes at end of table

OCTOBER 1960

· (+) a			I		NO.		ESTIMA						\exists		Ŧ	_		OF	ESTIM/ DAM		
,	•		F PATH	PATH S)	PERS		DAM	AGE	CHARACTER			•			S) PATH	PATH 35)	PER	SONS		AGE	CHARACTER OF
PLACE	DATE	TIME.	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	מורבס	INJURED	PROPERTY	CROPS	OF STORM		PLACE		DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
SOUTH CAROLINA Richland and Lexington Counties (mostly at Columbia)	3 Lequ	8:30 pm- 9:30 pm sall line irport h8	prient	ad sast	0 west	0 with	2 gusty	0 winds	Windstorm. Highest gust at		County	'a.)	ll Smal	5:00 p 6:00 p. l hail, s	? trong	? rinds,	O and I	0 neavy	0	6	Hail, wind, rain.
Donaldson Air Force Base, Oreenwille Cty.	5	3:28 pm	-	- meter.	0	0	1	0	Hail				1/2	inch. Da hum.	rerage nage:,v	aried f	rom 1	light	to he	avy on	h with largest cotton and grain
SOUTH DAKOTA									1	Friona Parmer	County .		n	4:45 p 4:50 p.		100	0	1	5	5 and sta	Tornado cked 7 trailer
Martin, Bennett County	11	8:45 p.m.					2		Electrical				fric One-	es in a p na, one f fourth mi	ile on arm ho le far	outski me dama ther we	rts o	and a	ona. everal er far	n home	ldings destroyed.
	hom	e. TV se'	burne	a)danda	S BOOME &	truct	urai (amage	ing room of in living room. k by lightning				dama li5 i acco funr \$100	ged. One eet off t mpanied t el moved ,000 to c itional \$1	persone highesto pesto pesto pesto posti 00,000	n injur hway. C rm which down. n the a damage	h mo Hai	ved f l acc while crops	inch rom we ounted the	hail st to for a strong	riving was rolled and heavy rain east. The tornado estimated winds caused an
TENNESSEE Bristol	3 Lig	2:30 p. (approx) thing ign stored re	ited a	barn c	0 ontai	0 ning	4 50 tor	0 s of 1	Lightning ay, a tobacco crop	Vega Oldhar	n County		11 Hail	10:30 a	1 to Ci	*1	O Jega.	O Ave	0 rage d	0	Hail of stones, 1/2
Knoxville & Vicinity	3	mid & latafter-	te d		0	1	5 tensiv	O mely d	Hail, rain and lightning	Abbott Freest	t tone Count	у	13	Afternoor	short	narro	0		?	0 15 la he fun	Tornado rge cotton nel stayed on the
	doc bro and	rs and will ken. Hai spartely	letone: cover	At one were g	e gree genera	nhous lly l in m	e 000 /2 to ost a	panes linc fecte	of glass were as in diameter areas. Drifts of buth Knoxville. ag of low levels. thing struck nearby.		wood County		13 Small	4:45 p. 5:30 p.	struc	25	0 orner	of B	6 rownwo	5 ood Mun	Tornado, wind, hail. icipal Airport
Maryville, Blount County	3	After-	k by 1	ightmin	0 whi:	le sta	0		Lightning e porch of his				14-5	mones,	othe Ten	rgear o	11 11 GC	outur e	TO DIO	· III O C C C	of the person is all and strong a across meter with largest Damage was heavy in the surrounding
Linden (near) Perry County	5				0	0	4	0	Wind				are	a. Damag wnwood, w	to p	roperty	esti	imated	i þne r	nillior	dollars in
	bu:	illdina co	wed in of the	portio buildi	ns of ng.	the s	rvmnas	ium wa	classroom school In and damaged of demolished a	Corbe	et rro County		mo	4:00 p. of s of hor biles by 1 rgest 3 in	ses da ailsta	mes ave	and m eragi	ng 2⅓	inche	s in d	Hail broken in auto- iameter, with
Johnson City, Washington County	bu bl	il up to 3 siness how ew down ma	inche	Accompa antenna	nying s, fe reenb	vind lled ouse.	blew nundre Heav	apart ds of y rai:	Hail, wind and rain in homes and numerous roofs, trees and blew a baused some	Frees	field stone Coun	ty	St:	les inside zen plate	one o	of the 1	bu#1d	ings, lings,	damag and b	ed sev lew ou	Wind eral new automo- t more than a
	da	inor flood mage to a	ling ar	nd \$1500	dama 0	ge to	furni ?	ture e	wind, hail and	Milar	m County		35 ag	2:00 a. young ste ainst whice	ers w	ers kill cattle	led w were	hen 1 graz	ightni		uck a wire fence
Stoney Creek Section, Carter County	He	neon	owned 2	5 power	poles	any t	rees, o	one of inch	rain which damaged a in size, covered	Refu	Rockport gio County endon (nea		14	6:30 a	2	*1	c) c	0	?	Waterspout Hail
TEXAS										Doute	ey County		He st	7:30 a awy damage rip 2.5 N	to ci	rops re larendo	sulte n tha	d fro	m pea fted t	size h to dept	ail in a narrow hs from 6 to 24
Brown County Galveston County		և 8:10 ր և 8:15 մ	1.						Funnel aloft	Flove	d County			7:30 a		*20	C	, ,		7	Hail
Arcadia Galveston County		3:20	2. ?	?	0	0	İ	l.	Hail moved from NNE		•		th to	e cotton a	descri ind ma of F	iza cro Loydada	ps ir	ı a la etten	urge an was de	rea fro sfoliat	severely damaged m Muleshoe, Texas, ed with damage
Matagorda County	t	oward S. a	accompa	anied by					Funnel aloft				in mu th	ches, with nities re- e larger	n some celved stones	"golf roof, More	ball' windo thar	'size w par 1000	stone e, and head	es repo i autor of she	depths of 14, rted. Some com- bobile damage from ep were killed by sches of rain fell
San Antonio Bexar County	0 W	rhile play: stimated :	struck ing go victim	lfat Ca knocked	anyon i abou	Creek it 20	paral; Coun feet :	rzed fi try Cl rhen s	Lightning rom the waist down, ub. A companion truck. Victim	Floy	dada d County		du es	ring the timated a	torm : 10-5	which m Omph. CO 67	oved	from) (NW to	SE. F	Tornado
Willacy County		7 1:00	p ?	Narı	row C	1	Į.	0	Wind, hail, lightning.				ar 3.	ıd 2 airpl	anes. of ra	The st in fall	ing:	moved in a p	from period	the NW of 50	accompanied by minutes. The
1	6	went alon ne person iriving. illes nort and nine a rom its f	g a nai was s' He was h of Ri utomobi oundat	rrow par tunned w found : aymondw: iles dan ion and	th bei	tween lightn semi-c 18 x by th	Raymon ing s onscie 40 me e debr plete	ndvill truck ous co tal bu ris. ly ups	and heavy rains e and Brownsville. the tractor he was ndition. A few ilding was demolishe One house ripped ide down. Heavy re reported.		es County		s 1 D		on ?	in the	NA ba	rt of	1089	county	Funnel aloft Hail from hail was ied from 25% to sing 25,000 acres.
Sudan Lamb County	11 11 11 11 11 11 11 11 11 11 11 11 11	6:00 6:30 dail cover pefore movestrip 12 m to 100% on	p 12 p. ed the ing no: iles 1 some :	ground rthward ong D farms no men rid	in a and c amage orth c ing in	four limini to co	mile shing tton lan, w	square in in was es ith so		111	nes County		1 S f	5 12:00 12:30 mall torn	p 2 p. ado, m gy Com n down	*1/	rom S	O SE tow	o l	d, ripr	1

OCTOBER 1960

		РАТН	Ŧ	NO. PER		ESTIM/ DAM			,			PATH	Ħ~	PERS	OF SONS	ESTIM. DAM		CHARACTER
PLACE	DATE	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILED	INJURED	PROPERTY	CROPS	OF STORM
TEXAS (Cont'd.)									TEXAS (Cont'd.)									
Knox County "	15 3:00 p	15	#6	o	0	h	5	Wind, hail	Katy Harris County	18	5:00 p.	short Iv dan	narrow	0 home:	3 3. de	? strove	0	Tornado rage, and caused
·	4:00 p. Hail, average damaged cattl	1/2"	diamete	r, wi	th la	rgest	stone	3/4" diameter, ge to cotton		min	or damage : ss. two otl	o 2 of	her ho	es. bruis	One	oerson One h	injur ome li	ed by flying Fted off blocks
	from hail and Benjamin to P	wind.	Storm	move	d from	NE t	oward	SW, from		and	moved 10 :	eet fa	rther i	orth imber	. Ha was	lfof r blown	throu	ncluding rafters, gh the side of
10 NW McCaulley	15 12:50 p.				ı			Funnel aloft	•	one	home. On the lawn b	auto	pobile :	as p	cked	up, t	rned	around and placed
Fisher County						_			Navasota	18	11:15 a	1/2	*2	0	1	5	0	Wind
Parmer County	15 5:30 a 9:00 a.	l	?	0	0	0	?	Hail	Grimes County	Sta	11:30 a.	unroof	ed one	house	and	blew	he wi	ndows out of one trailer
								spread damage to ht to near total.		hot	peral nouse peral bloompanied t	um ove	r. The	stor	TI MOT	red fr	n Sw	toward NE,
Rowena Runnels County	7:05 p 8:00 p.	l	*2	0	0	5	14	Rain, hail	3 S Schulenburg	18	1:10 p	Ϊ.	150	0	3 .	5	0	Tornado
7. 2	$10\frac{1}{2}$ of rain	fell i hail	n a 55 covered	minut the	e per	iod wi	th ha	1 falling for 20 of 1", with	Fayette County		1:15 p.	1		iles	S of		nburg	
1	average diame	ter of perty	stones resulte	1/2* 1 fro	, and m hai	large l, and	st 2"	diameter. ops, from rain		un: in:	it tourist jured; one	court suffer	and cat	e. 1 oken	hree leg,	person	ns in ther t	destroying 10 the cafe were to suffered cuts
	and hail. St NW toward SE.	rong w	inds ac	compa	nied	the st	orn w	ich moved from		Hig	l bruises. way 77, p	The sicked	torm, mup one	farm	from home	sW to and m	NE, oved i	rossed U.S. into a pasture.
Sterling City Sterling County	3:00 p 5:30 p.	2 <u>1</u>	*2	0	٥	Į,	o	Hail, wind		mov	ed a dist	nce of	re move 75 fee	d fro	m the	ir fo	indati infall	ns, one was accompanied the
Sterling County	This storm oc	curred	over o	en r	ange	countr	y in	the NW part of	8 WWW Vega	18	2:05 p.							Funnel aloft
į	otherwise occ	rred.	Hails	ones	aver	aged 2	in o	at would have tiameter, with deep. The storm	Oldham County									
	moved from no					arr we	10 24	deep. The south	Victoria Victoria County	18	6:30 p 11:45 p.			0	0	4	0	Rain
Throckmorton Throckmorton County	15 Afternoon Hailstones ra					5 t of t	0 aseba	Hail ls severely	,	flo	oded stree	ts and	a numb	er of	home	s on	the so	d of 15 hours, th side of the
	damaged roofs	, knoc	ked out	wind	ow pa	nes, a	nd da	aged 50 to 75		apr	oroximately	24-hou 12 mi	r raini les in	all a diame	mount ter a	nd mo	8.30.	The storm was m west toward
	hailstone. N	parly	all hom	es Wi.	thin	the ci	ty we:	on struck by a ne damaged at	1 S Victoria		ll:45 a	1	140	0	,	0	,	Tornado
	an estimated storm clouds	\$500 p appare	er home ntly co	. Оъ 11.de	serve d vir	rs rep tually	orted over	that "three the town."	Victoria County	Į	11:50 a.	1		l	Į		Į.	d by Weather
	16 12:00 p. Tornado blew	? ?	?	0	0	4	0	Tornado		Bur	eau observ	er. T	he stor	n did	not	cause	any d	mage.
Nueces County	Department of						Ling v	Met. Of Brafe	9 SE Beeville Bee County	19	5:15 p.							Funnel aloft
Corpus Christi Nueces County	16 1:10 p. 50 houses, al		35 in one	0 subdi		5 1. 1n	0 the S	Tornado part of the	Nueces County	19	4:55 p.							Funnel aloft
	city were dam destruction.	aged, One p	varying erson s	from uffer	a bro	ken w	indow durie:	to complete from flying		Sig	hted betwe	en Edr	by and	Odem.				
	glass. The t	rnado	moved :	from 1	NW to	ard S	E acco	mpanied by heavy	Rio Grande City Starr County	23- 21	1			0	0	6	5	Rain & flooding
Jim Wells County	16 8:50 a.		000000	Cmoun				Funnel aloft		A f	lash rise h rains ov	on the er thi	normal s water	ly dr shed	y Los flood	Olmo: ed Ric	Cree Gran	caused by 3-8 le City and 5000 uses damaged,
Seguin	Sighted vicin		30	0	1	5		Wind	ŀ	and	11400 famil	ies su	liered	Losse	S. W	ater 1	ias o :	qeet deep in some
Guadalupe County	5:40 a.	i						thunderstorm,		host pro	es, with l	00 hom worst	es esti flood o	rec rec	to b	e a to n the	tal los C	ss. This was
	destroyed the a small comme	clock rcial	tower buildin	at the	e high verel	scho dama	pl bu:	lding, destroyed b	Kenedy	25	Afternoon sh floodin	a of c	reeks (2	0	6 y heav		Rain & flooding
	homes and com overturned se	ercia.	build trailer	ngs,	blew es, at	out p d rip	late a	lass windows, art a number of	Karnes County	Was Free	described	as th	e worst	loode	d in dwit	the hi	story	of the city.
	trees. One p turned traile	r hous	as inj	ered:	n "br rain	eakin accom	g out	of his over- the storm.	ĺ	Wat	er ranged	from 6	inches me auto	to 5	feet es we	deep re swe	in sta	res. Many homes the streets.
Sinton	16 3:10 a.	7	100			4	0	Tornado		Two	persons d	rowned ay. 5	when t	heir hes o	auton f rai	obile n fel:	was s with:	ept 150 yards in the city with
San Patricio County	Tornado path injured. 2 h barn demolish	puses	demolis	hød,	4 oth	ers da	maged	on, 11 persons and 1 large		i i	vier amoun	ts in	the sur	round	ing a	rea.	0	Rain & flooding
	injured were	in one	house.	Hea	vy ra	in in	torna	o area estimated	Pettus Bee County	A f	lash flood	swept	throug	n the	city	, driv	ing 10	O persons from Water was
Kleberg, Nueces, San	16-		J.C.IOS	0	0	5	?	Rain & flooding		4 1	eet deep i	h some	stores	, On	Ly 2	inches	of r	in fell in Pettus e upper reaches
Patricio, Refugio and Aransas Counties	17	y rain	s, aver	aging			ļ	the lower Nueces,		of 70	Medio Cree Momes and	k. Da about	mage wa	e of	fined railr	to the	e bus:	ness district,
	the Aransas, flooded farmi	and Mi ands,	ssion r streets	vers and	and d	reeks vays.	in to	e above counties 500 persons were		res	idents com Id not det	pared	this fl	ood t	b the	one o	t lar	3, 1903. They
		bus Ch	risti f	ell i	n 3 H	ours.	Total	amounts ranged	Wichita County	25	2:41 p.		l 					Funnel aloft
R NE Comme Chatet	18 3:10 p.	hches	at Chap	nan r	anch a	ind 14	.16 ii	ches at Refugio.	1.00		hted 30 WN		ita Fal	ls.			ĺ	-3 -3 O
8 NE Corpus Christi San Patricio County	ים טנוני טב							Funnel aloft	Jefferson County		11:23 a 11:26 a. hted 6 W B	ľ	Aime	**				Funnel aloft
Georgetown Williamson County	18 9:00 p	35	*}	0	0	5	٥	Hail	Matagorda County	27	1	aumon	, wr.cbo	1"	.		}	Funnel aloft
	Hailstorm, mo extensive dam	age to	roofs.	Ave	rage k	size h	ails to	ow panes and did nes 3-inch dia-	- Coming		ted 15 NE	Palac	ious.					
	meter, with 1 strong winds	ergest eccomp	2-inch	diam	eter.	Freq	uent :	ightning and of rain fell	, San Angelo	Hai		rerage				0 have	O ry few	Hail 14 diameter.
	during the st	drm.									Istones we						1	1
Goliad County	18 Evening Heavy rains o	curre	lover	O the l	0 wer	ortio	ns of	Rain & flooding the San Antonio										
		TAVEN	I VATATE!	meds 1	ити (nuind	ı rece i	ving 8 inches										

OCTOBER 1960

			РАТН	Ŧ		OF SONS		ATED†					ATH.	Ŧ	NO. (ESTIM/		
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE		TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INURED	PROPERTY	CROPS	CHARACTER OF STORM
_TEXAS (Cont'd,)										WASHINGTON									
South Central						fell			Rain & flooding intral Texas leven persons	Northern Puget Sound Area	0ti tre	ity lines	and a	few bu	0 11ding	0 ธพ.	3 re dan	aged t	Wind y limbs blown from
	nori mobi Four	i from dro nally smal ile at a n persons i 75 miles	wning l stre ormall drowne west	as they ams. T y dry c d when of Aust	were wo pe reek their in.	caug rsons cross auto Three	ht in were ing o mobil pers	flash trapp e mile was ons dr	floods of d in their auto- west of Austin. wept off a farm wind mear automobiles were	West of Cascades	ties resi	of Seatt	le and low a	other .	reas ligh	caus ind	ing wa damage	ter to	Rain-wind f in some locali- back up in few ity lines in few
	from	n their ho es and bu	mes wh	en cree	ks se ishme	nt li nts i	to 6 in low	feet o	s were driven water into sections. illion dollars.	WEST VIRGINIA			None	Report	ed				
San Marcos (vicinity) Hays County	28- 29				0	0	5	4	Rain & flooding	Antigo 10 ME	12	9:00 a.m.					4		Lightning
	Near from	ly 5 inch runoff a	es fel nd fro	l in th m flash	floc	Marc ding	os ar of sm	a cau	ing some damage eks in the area.		~	room hou	l	troyed.					** ****
UTAH			None	e Repo	rted					Neillswille 6 S	1	efternoon	ł	hinery	destro	ved	4 by fir	e caus	Lightning ed by lightning.
VERMONT			None	Repo	rted					WYOMING Casper	19	1:20 p.				•			Funnel aloft
VIRGIN ISLANDS			None	Repo	ted														
VIRGINIA		,	None	Repo	rted													•	

* Miles instead of yards.

** Yards instead of miles.

† Storm damages are placed in categories varying from 1 to 9 as follows:

1 Less than \$50

2 \$50 to \$500

3 \$500 to \$5,000

4 \$5,000 to \$50,000

5 \$50,000 to \$50,000

6 \$500,000 to \$5,000,000

7 \$5,000,000 to \$5,000,000

8 \$50,000,000 to \$500,000,000

9 \$500,000,000 to \$500,000,000

9 \$500,000,000 to \$5,000,000,000

9 \$500,000,000 to \$5,000,000,000

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Delayed data and corrections will be carried in the June and December issues of this publication.

SUBSCRIPTION PRICE: 15 cents per copy; yearly subscription \$1.50 domestic, \$2.00 foreign. Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to "Superintendent of Documents, Government Printing Office, Washington 25, D. C."

USCOMM-WB-Asheville - 11/30/60 - 1050